

155373

Thursday, January 12, 2017 3:41:05 PM

N900040100

Setup Start *NS1*

Stop *NS2*

10

Cust Item ID:

10

Customer:

Reference:

Date:

Run Start *NR1*

SPC (Y/N):

Date:

Stop *NR2*

[illegible]

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____							
Misidentified	☐	Past Due	☐								

Thursday, January 12, 2017 3:41:05 PM

155373

Page 3

N900040100

Setup Start *NS1*

Stop *NS2*

Start Date: 1/16/2017 **Start Qty:** 10.00 ***10***

Cust Item ID:

Required Date: 1/23/2017 **Req'd Qty:** 10.00 ***10***

Customer:

Reference:

Approvals: **Process Plan:** **Date:** **Tooling:** **Date:**

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Insp.
Stamp

QC5- Inspect part completeness to step on W/O

0.00

155

QC

Memo

0.03

Quality Control

2.0 mils thickness primer

FEB 21 2017

180

Identify as per dwg & Stock Location: Ck 100 0.00

0.00

180

Packaging

Memo

0.02

Packaging

IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV

FEB 21 2017

190

QC21- Final Inspection - Work Order Release	0.00
---	------

0.00

190

QC

Memo

0.17

Quality Control

DAS
21
9-89

FEB 21 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment ☐		No Re-verification ☐		Pressure/Forced ☐		Temperature/Cure ☐	
Design ☐		Operator ☐		Bending ☐		Set-up ☐	
Doc/Data ☐		Offset/Setup ☐		Centre Not Concentric ☐		BOM/Route ☐	
Equip/Tooling ☐		Supplier ☐		Cracks ☐		Broken/Damage/Defect ☐	
Handling/Pre ☐		Training ☐		Crimp/Kink/Ripple/Wave ☐		Inspection Incomplete/Unqualified ☐	
Material ☐		Use for Testing ☐		Cuffs ☐		Contamination ☐	
Internal Transport ☐		Poor Information ☐		Crushing ☐		Countersink ☐	
Tribal Knowledge ☐		Rushing ☐		Heat Treat ☐		Cut Too Short ☐	
LOA ☐		Product Improvement ☐		Wave/Twist in Tube ☐		Instructions Incomplete/Unclear ☐	
Substation ☐		Process Improvement ☐		Marks/Chatter ☐		Drill Holes ☐	
Past Expiry Date ☐		Manufacturing Process ☐		OTHER : _____			
Misidentified ☐		Past Due ☐					

Picklist Print

Thursday, January 12, 2017 3:41:05 PM

Page 1

Work Order ID: 155373

155373

Parent Item: 646.3810

646 3810

Parent Item Name: Bracket

Start Date: 1/16/2017

Required Date: 1/23/2017

Start Qty: 10.00

Required Qty: 10.00

Comments: IPP REV:A NEW ISSUE 12-10-22 JLM VERIFIED:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M7075T6A1.00X0.75X 0.125X0.060		Purchased	No			110	f	11.4301	0.1375	1.375			DAS 32 9-89

***M7075T6A1 00X0 75X0 125X0**

17-01-28

7075T6 ANGLE 1.0" X .75" X .125" X .060"W

Location

Loc Qty

Loc Code

MAT051

11.4301

123947

11.4301

3.342

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03697				SHEET 1 OF 1	
	DWG NO. 646.3800	REV: N/C	PREPARED BY B. PETERS	DATE: 11/14/12	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: BRACKETS					
	APPROVED BY: ENGR <i>[Signature]</i>	MFG <i>David Baker</i>	QC <i>[Signature]</i>	EFF: NEXT ORDER		
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: ADDED ALTERNATE MATERIAL.				ECR: D-12-006	

IS

1 PRIMARY MATERIAL: 7075-T651 ALUMINUM PER AMS-QQ-A-250/12.
ALTERNATE MATERIAL: 7075-T6511 ALUMINUM PER AMS-QQ-A-200/11.

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 155373 MLJ
17-01-13

SHEET 1, ZONE A2 IS:

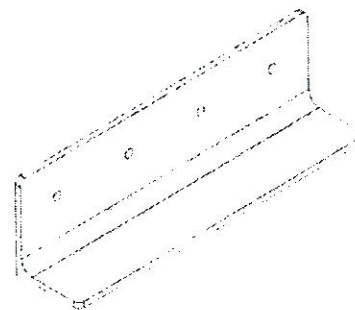
F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:				☐ RFMS ☐ MDL ☐ INSTALL INSTRU ☐ ICA ☐ BOM	CHANGE CATEGORY ☐ MAJOR ☒ MINOR	DER REVIEW REQUIRED ☐ YES ☒ NO

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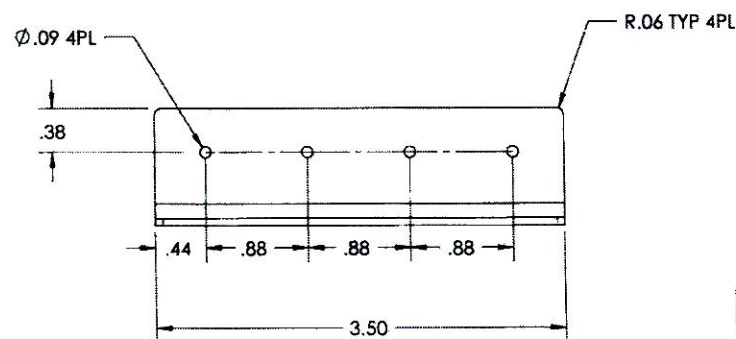
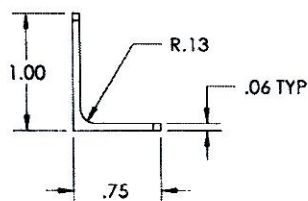
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

NOTES:

- 1 MATERIAL: ALUMINUM 7075-T651 AMS-QQ-A-250/12
- 2 FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III
CLASS 2, COLOR BLACK;
CARDINAL 4840-50 PRETREATMENT PRIMER
PRIME IAW MIL-P-23377J TYPE I CLASS N
3. DEBURR AND BREAK ALL SHARP EDGES
4. IDENTIFY IAW MPP-120



646.3810



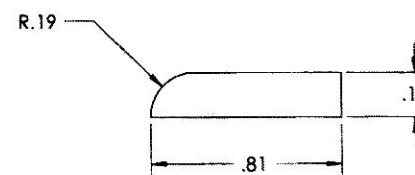
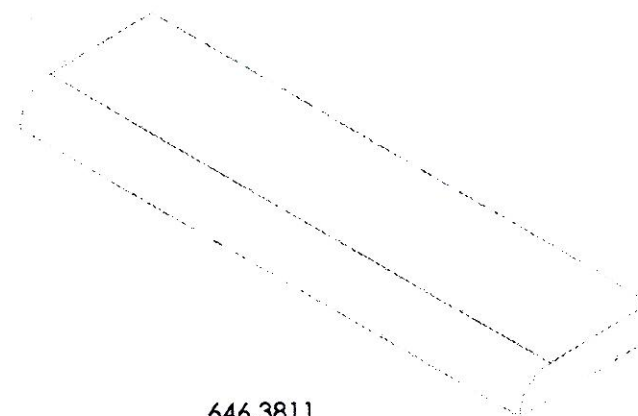
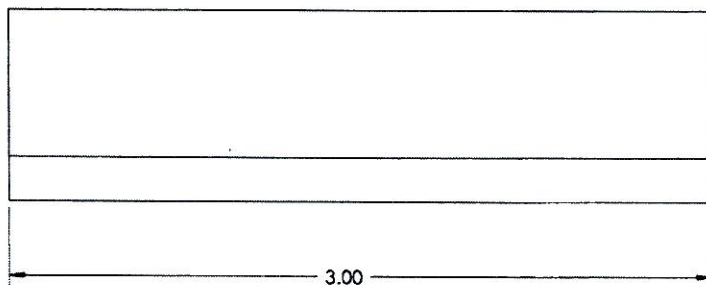
UNINCORPORATED ELEM(S)

036097

	646.3814	WIPER BRACKET	▲	▲
	646.3813	STRUT BRACKET	▲	▲
	646.3812	GUSSET BRACKET	▲	▲
	646.3811	RADIUS BLOCK	▲	▲
	646.3810	BRACKET	▲	▲
QTY	FIND #	PART #	DESCRIPTION	MATL SPEC.
PARTS LIST				
NEXT ASSY IS:			APICAL INDUSTRIES	
646.4000			2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92054-3512 (760) 724-5300	
ORIGINAL DATE 05-15-00 DRAWN BY J. GARDNER CHECKED P. BAYO DRAWING APPROVAL P. BAYO/05/15/00 CONTRACT NO. 80			BRACKETS	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .005 3 PLACE DECIMALS ± .002 ANGLES ± .5°			REV	CAGE CODE DWG NO 646.3800
			SCALE NONE	REV N/C
			SHEET 1 OF 5	

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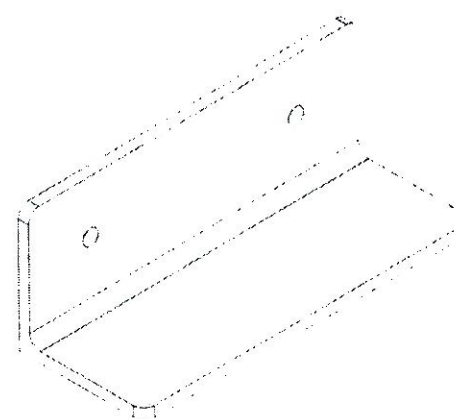
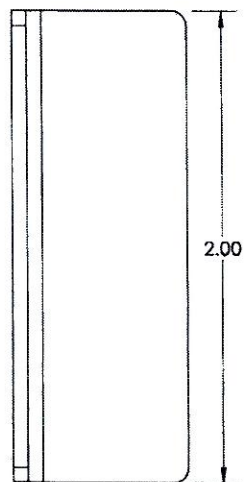
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



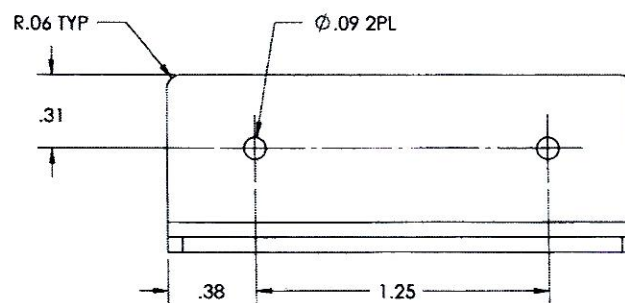
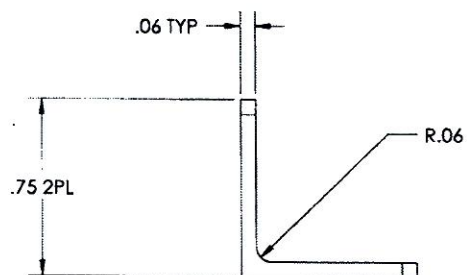
NEXT ASSY (S)		ORIGINAL DATE 08-19-08 AND DATE	CHECKED
DRAWN BY J. GARDNER		DRAWING APPROVAL	
CONTRACT NO.		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE FRACTIONS DECIMALS ±.005 ANGLES ±.5°	
APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760) 724-5300		SHEET 2 OF 5	REV N/C
BRACKETS		SCALE NONE	DATE 07/26/06
646.3800		REV N/C	

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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



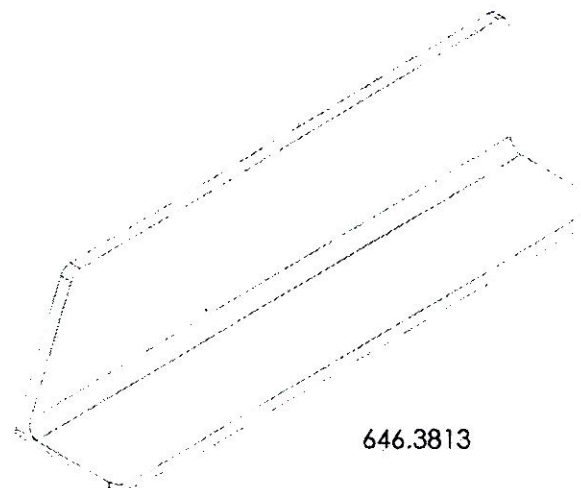
646.3812



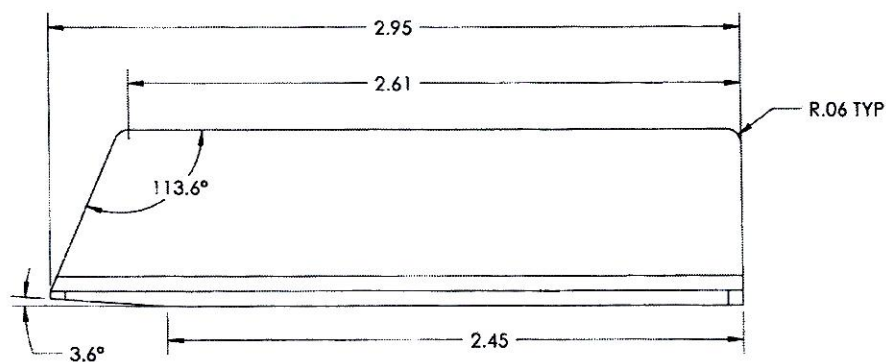
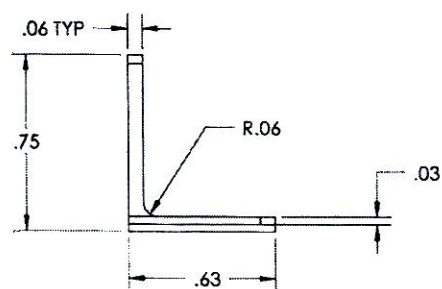
NEXT ASSY IS:	ORIGINAL DATE	08-19-00	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
	DESIGNED BY	BOB/OTW		
	DESIGNED BY	BOB/OTW		
	DRAWING APPROVAL			
	CONTRACT NO.		BRACKETS 646.3800 SCALE NONE SHEET 3 OF 3	
	UNLESS OTHERWISE SPECIFIED			
	DIMENSIONS ARE IN INCHES			
	TOLERANCES ARE			
	2 PLACES DECIMALS ±.015			
	3 PLACES DECIMALS ±.005			
	ANGLES ±.5°			

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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



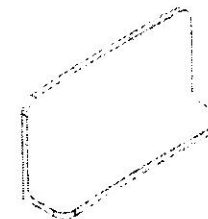
646.3813



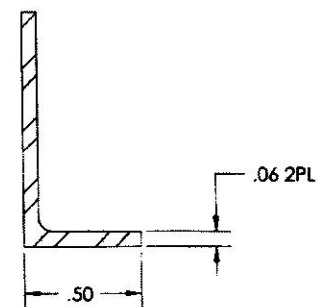
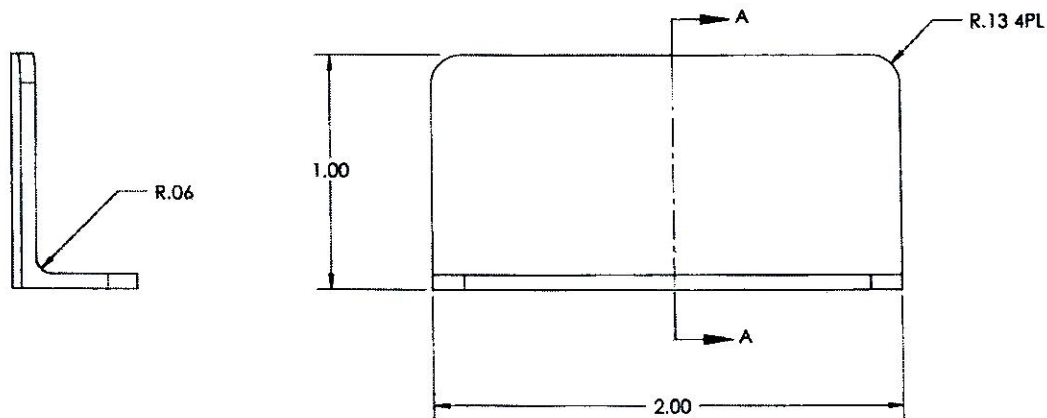
NEXT ASSY (S)	ORIGINAL DATE 06-10-88	08-10-88	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300
	DRAWN BY J GAROFALO	CHECKED	
	CHANGING APPROVAL		BRACKETS SET CAGE CODE DWG NO. 646.3800 P/N SCALE 07A126 1/2" SCALE NONE SHEET 4 OF 5
	CONTRACT NO.		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1. DIMENSIONS 1/16" TO 1/8" ± .005 2. DIMENSIONS 1/8" TO 1/4" ± .005 3. DIMENSIONS 1/4" TO 1/2" ± .010 4. DIMENSIONS 1/2" TO 1" ± .015 5. DIMENSIONS 1" TO 2" ± .020 6. DIMENSIONS 2" TO 4" ± .030 7. DIMENSIONS 4" TO 6" ± .040 8. DIMENSIONS 6" TO 8" ± .050 9. DIMENSIONS 8" TO 10" ± .060 10. DIMENSIONS 10" TO 12" ± .070 11. DIMENSIONS 12" TO 14" ± .080 12. DIMENSIONS 14" TO 16" ± .090 13. DIMENSIONS 16" TO 18" ± .100 14. DIMENSIONS 18" TO 20" ± .110 15. DIMENSIONS 20" TO 22" ± .120 16. DIMENSIONS 22" TO 24" ± .130 17. DIMENSIONS 24" TO 26" ± .140 18. DIMENSIONS 26" TO 28" ± .150 19. DIMENSIONS 28" TO 30" ± .160 20. DIMENSIONS 30" TO 32" ± .170 21. DIMENSIONS 32" TO 34" ± .180 22. DIMENSIONS 34" TO 36" ± .190 23. DIMENSIONS 36" TO 38" ± .200 24. DIMENSIONS 38" TO 40" ± .210 25. DIMENSIONS 40" TO 42" ± .220 26. DIMENSIONS 42" TO 44" ± .230 27. DIMENSIONS 44" TO 46" ± .240 28. DIMENSIONS 46" TO 48" ± .250 29. DIMENSIONS 48" TO 50" ± .260 30. DIMENSIONS 50" TO 52" ± .270 31. DIMENSIONS 52" TO 54" ± .280 32. DIMENSIONS 54" TO 56" ± .290 33. DIMENSIONS 56" TO 58" ± .300 34. DIMENSIONS 58" TO 60" ± .310 35. DIMENSIONS 60" TO 62" ± .320 36. DIMENSIONS 62" TO 64" ± .330 37. DIMENSIONS 64" TO 66" ± .340 38. DIMENSIONS 66" TO 68" ± .350 39. DIMENSIONS 68" TO 70" ± .360 40. DIMENSIONS 70" TO 72" ± .370 41. DIMENSIONS 72" TO 74" ± .380 42. DIMENSIONS 74" TO 76" ± .390 43. DIMENSIONS 76" TO 78" ± .400 44. DIMENSIONS 78" TO 80" ± .410 45. DIMENSIONS 80" TO 82" ± .420 46. DIMENSIONS 82" TO 84" ± .430 47. DIMENSIONS 84" TO 86" ± .440 48. DIMENSIONS 86" TO 88" ± .450 49. DIMENSIONS 88" TO 90" ± .460 50. DIMENSIONS 90" TO 92" ± .470 51. DIMENSIONS 92" TO 94" ± .480 52. DIMENSIONS 94" TO 96" ± .490 53. DIMENSIONS 96" TO 98" ± .500 54. DIMENSIONS 98" TO 100" ± .510 55. DIMENSIONS 100" TO 102" ± .520 56. DIMENSIONS 102" TO 104" ± .530 57. DIMENSIONS 104" TO 106" ± .540 58. DIMENSIONS 106" TO 108" ± .550 59. DIMENSIONS 108" TO 110" ± .560 60. DIMENSIONS 110" TO 112" ± .570 61. DIMENSIONS 112" TO 114" ± .580 62. DIMENSIONS 114" TO 116" ± .590 63. DIMENSIONS 116" TO 118" ± .600 64. DIMENSIONS 118" TO 120" ± .610 65. DIMENSIONS 120" TO 122" ± .620 66. DIMENSIONS 122" TO 124" ± .630 67. DIMENSIONS 124" TO 126" ± .640 68. DIMENSIONS 126" TO 128" ± .650 69. DIMENSIONS 128" TO 130" ± .660 70. DIMENSIONS 130" TO 132" ± .670 71. DIMENSIONS 132" TO 134" ± .680 72. DIMENSIONS 134" TO 136" ± .690 73. DIMENSIONS 136" TO 138" ± .700 74. DIMENSIONS 138" TO 140" ± .710 75. DIMENSIONS 140" TO 142" ± .720 76. DIMENSIONS 142" TO 144" ± .730 77. DIMENSIONS 144" TO 146" ± .740 78. DIMENSIONS 146" TO 148" ± .750 79. DIMENSIONS 148" TO 150" ± .760 80. DIMENSIONS 150" TO 152" ± .770 81. DIMENSIONS 152" TO 154" ± .780 82. DIMENSIONS 154" TO 156" ± .790 83. DIMENSIONS 156" TO 158" ± .800 84. DIMENSIONS 158" TO 160" ± .810 85. DIMENSIONS 160" TO 162" ± .820 86. DIMENSIONS 162" TO 164" ± .830 87. DIMENSIONS 164" TO 166" ± .840 88. DIMENSIONS 166" TO 168" ± .850 89. DIMENSIONS 168" TO 170" ± .860 90. DIMENSIONS 170" TO 172" ± .870 91. DIMENSIONS 172" TO 174" ± .880 92. DIMENSIONS 174" TO 176" ± .890 93. DIMENSIONS 176" TO 178" ± .900 94. DIMENSIONS 178" TO 180" ± .910 95. DIMENSIONS 180" TO 182" ± .920 96. DIMENSIONS 182" TO 184" ± .930 97. DIMENSIONS 184" TO 186" ± .940 98. DIMENSIONS 186" TO 188" ± .950 99. DIMENSIONS 188" TO 190" ± .960 100. DIMENSIONS 190" TO 192" ± .970 101. DIMENSIONS 192" TO 194" ± .980 102. DIMENSIONS 194" TO 196" ± .990 103. DIMENSIONS 196" TO 198" ± 1.000 104. DIMENSIONS 198" TO 200" ± 1.010 105. DIMENSIONS 200" TO 202" ± 1.020 106. DIMENSIONS 202" TO 204" ± 1.030 107. DIMENSIONS 204" TO 206" ± 1.040 108. DIMENSIONS 206" TO 208" ± 1.050 109. DIMENSIONS 208" TO 210" ± 1.060 110. DIMENSIONS 210" TO 212" ± 1.070 111. DIMENSIONS 212" TO 214" ± 1.080 112. DIMENSIONS 214" TO 216" ± 1.090 113. DIMENSIONS 216" TO 218" ± 1.100 114. DIMENSIONS 218" TO 220" ± 1.110 115. DIMENSIONS 220" TO 222" ± 1.120 116. DIMENSIONS 222" TO 224" ± 1.130 117. DIMENSIONS 224" TO 226" ± 1.140 118. DIMENSIONS 226" TO 228" ± 1.150 119. DIMENSIONS 228" TO 230" ± 1.160 120. DIMENSIONS 230" TO 232" ± 1.170 121. DIMENSIONS 232" TO 234" ± 1.180 122. DIMENSIONS 234" TO 236" ± 1.190 123. DIMENSIONS 236" TO 238" ± 1.200 124. DIMENSIONS 238" TO 240" ± 1.210 125. DIMENSIONS 240" TO 242" ± 1.220 126. DIMENSIONS 242" TO 244" ± 1.230 127. DIMENSIONS 244" TO 246" ± 1.240 128. DIMENSIONS 246" TO 248" ± 1.250 129. DIMENSIONS 248" TO 250" ± 1.260 130. DIMENSIONS 250" TO 252" ± 1.270 131. DIMENSIONS 252" TO 254" ± 1.280 132. DIMENSIONS 254" TO 256" ± 1.290 133. DIMENSIONS 256" TO 258" ± 1.300 134. DIMENSIONS 258" TO 260" ± 1.310 135. DIMENSIONS 260" TO 262" ± 1.320 136. DIMENSIONS 262" TO 264" ± 1.330 137. DIMENSIONS 264" TO 266" ± 1.340 138. DIMENSIONS 266" TO 268" ± 1.350 139. DIMENSIONS 268" TO 270" ± 1.360 140. DIMENSIONS 270" TO 272" ± 1.370 141. DIMENSIONS 272" TO 274" ± 1.380 142. DIMENSIONS 274" TO 276" ± 1.390 143. DIMENSIONS 276" TO 278" ± 1.400 144. DIMENSIONS 278" TO 280" ± 1.410 14			

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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



646.3814



SECTION A-A

NEXT ASSY IS	ORIGINAL DATE 08-15-08	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760) 724-5300	
	APPROVED BY J. GAYNER		
	CHECKED BY	BRACKETS	
	CONTRACT NO.		
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.005 ANGLES ±.5°	SHEET 5 OF 5	REV. N/C
	DATE 07/02/08	DWG NO. 646.3800	SCALE NONE



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO35239

Purchase Order Date 2/8/2017

PO Print Date 2/8/2017

Page Number 3 of 6

Order From :

VC-ATG001

A.T.G. INDUSTRIES INC.
731 INDUSTRIELLE ROAD
ROCKLAND, ON K4K 1T2
CANADA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

613-446-4544

Ship To Contact

Ship To Phone

Ship Via:

VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Line Total: \$50.00

7 155373

DAS
38
9-89

646.3810 BRACKET
REV. N/C

2/24/2017

Yes

2/24/2017

11.00

\$6.55

\$72.05

FINISH: HARD BLACK ANODIZE AS PER IAW MIL-A-8625 TYPE III, CLASS 2 / PRIME AS PER IAW MIL-PRF-23377K TYPE I CLASS N

Line Total: \$72.05

8 155367

646.3813 STRUT
BRACKET REV. N/C

2/24/2017

Yes

2/24/2017

5.00

\$6.10

\$30.50

FINISH: HARD BLACK ANODIZE AS PER IAW MIL-A-8625 TYPE III, CLASS 2 / PRIME AS PER IAW MIL-PRF-23377K TYPE I CLASS N

Line Total: \$30.50

9 155571

647.0113 STRUT
DOUBLER REV. A

2/24/2017

Yes

2/24/2017

10.00

\$11.75

\$117.50

FINISH: HARD BLACK ANODIZE AS PER IAW MIL-A-8625 TYPE III, CLASS 2 / PRIME AS PER IAW MIL-PRF-23377K TYPE I CLASS N

PO Instructions: PRIMER IS SUPPLIED BY DART

Note:

2/8/2017



A.T.G. INDUSTRIES INC.
731 INDUSTRIELLE STREET
ROCKLAND, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 912955

Date: 21-Feb-17

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

CHANTAL LAVOIE
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
Quantity	Description		
	Hard Black Anodize per MIL-A-8625F, Type III, Class 2 Primer per MIL-PRF-23377K, Type I, Class N Job: 19964 PO: PO35239 Line: 5		
8 ea	Part: 646.3719 Doubler Hard Black Anodize per MIL-A-8625F, Type III, Class 2 Primer per MIL-PRF-23377K, Type I, Class N Job: 19978 PO: PO35239 Line: 6	Rev: A	
11 ea	Part: 646.3810 Bracket Hard Black Anodize per MIL-A-8625F, Type III, Class 2 Primer per MIL-PRF-23377K, Type I, Class N Job: 20020 PO: PO35239 Line: 7	Rev: N/C	SP17-02-21
5 ea	Part: 646.3813 Strut Bracket Hard Black Anodize per MIL-A-8625F, Type III, Class 2 Primer per MIL-PRF-23377K, Type I, Class N Job: 20127 PO: PO35239 Line: 8	Rev: N/C	
10 ea	Part: 647.0113 Strut Doubler Hard Black Anodize per MIL-A-8625F, Type III, Class 2 Primer per MIL-PRF-23377K, Type I, Class N Job: 20237 PO: PO35239 Line: 9	Rev: A	
DATE: 21/02/2017			
CERTIFIED SIGNATURE:			
RECEIVER SIGNATURE: _____			
Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may			



A.T.G. INDUSTRIES INC.
731 INDUSTRIELLE STREET
ROCKLAND, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 912955

Date: 21-Feb-17

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

CHANTAL LAVOIE
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via
Quantity	Description	
	be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.	
	CERTIFICATE OF CONFORMANCE	
	A.T.G. INDUSTRIES INC. CERTIFIES THAT ALL ITEMS IN THIS SHIPMENT CONFORM TO REQUIREMENTS.	
	MADE IN CANADA.	
		
		